

**IV. A Collection of the Observations made  
on the Eclipse of the Moon, on March 15.  
1735-6. which were communicated to the  
Royal Society.**

**1. Eclipse of the Moon, observed by Mr. Geo. Graham  
in Fleetstreet, March 15. 1735-6.**

H.	M.	S.	
10	13	00	The Beginning.
11	11	00	The total Immersion.
12	49	00	The Emerision.
13	47	00	The End.

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**2. Dr. Halley at Greenwich observed,**

	H.	M.	S.
The Beginning	10	13	37
The Immersion	11	09	42

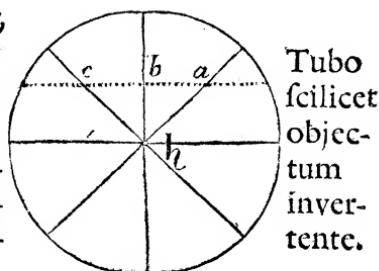
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3. *Observations on the Lunar Eclipse of March 15.  
1735-6. made at Mr. Graham's House in Fleet-  
street, by Mr. Celsius, F. R. S. with a reflecting  
Telescope of eleven Inches, magnifying Sixty-three-  
times, and made at Edinburgh.*

H.	M.	S.	
10	22	05	The Shade on the Middle of <i>Kepler.</i>
	23	15	Entering the <i>Mare Humorum.</i>
	28	16	Entering on <i>Copernicus.</i>
	29	34	— — — the Middle of <i>Copernicus.</i>
	30	26	<i>Copernicus</i> entire.
	33	28	Enters on <i>Timocharis.</i>
	38	44	Enters on <i>Tycho.</i>
	39	12	The Middle of <i>Tycho.</i>
	40	48	<i>Tycho</i> entire.
	46	00	Enters on <i>Menelaus.</i>
	49	20	<i>Plinius.</i>
11	00	40	Enters on <i>Mare Crisium.</i>
	5	36	<i>Mare Crisium</i> entire.
	9	17	The total Immersion is about to begin.
13	13	55	<i>Tycho</i> is emerged out of the Shade.
	29	00	<i>Mare Serenitatis</i> is totally emerged.
	40	45	<i>Mare Crisium</i> is totally emerged.
	45	50	The Eclipse is nearly ended.
	46	12	The Eclipse is certainly ended.

4. *Observationes habitæ in Covent-Garden, Idibus Martii 1735.6. S. V. per D. Ecclis, M. D.*

Tem- pus	Ver.	P. M.	
6	53	47	Saturnus in punto decussationis filo- rum micrometri.
7	31	05	Hyadum primus ad ♂ filum <i>a</i> transit.
7	31	50	---filum ho- rarium <i>b</i> transit.
7	32	35	---filum <i>c</i> transit.
7	42	39	Saturnus ite- rum in fi- lorum con- cursu.
8	19	57 $\frac{1}{2}$	Hyadum primus ad ♂ filum <i>a</i> transit.
8	20	42 $\frac{1}{2}$	<i>b</i> transit.
8	21	27 $\frac{1}{2}$	<i>c</i> transit.
9	50	00	Discus Lunaris horariorum filum percurrit 139 minutis secundis horariis.
9	56	00	Iterum 139''.
10	01	00	Iterumque 139''.
10	09	40	Penumbra tenuis Lunam propè Heve- lium obnubilare videtur.
10	10	20	Jam valdè sensibilis.
10	11	40	Initium defectus pono.
10	14	38	Limes umbræ, quantum censeo, per Gri- maldum & Cavalerium transit.
10	19	46	Per Aristarchum.
10	24	15	Umbra Mare Humorum ingreditur.
10	32	44	Sinum Roris tegit.



Tem-  
pus. Ver. P. M.

10 32 44 Luna per Nubes vix cernitur.  
 10 40 18 Tychonem umbra dividit.  
 10 42 26 Mare Serenitatis attingit.  
 10 46 01 Menelaum tangit.  
     Nubes atra supervenit.  
 10 53 46 Discedente Nube totum Mare Nectaris  
     tectum deprehenditur.  
     Densissimæ Nubes Lunam iterum adi-  
     munt.  
 11 00 56 Umbra Mare Crisium tangit.  
 11 05 48 Immerguntur Mare Crisium & Mare  
     fœcundum.  
 11 10 00 Totalis Lunæ in Umbram Immersio.  
 12 42 20 Clarescit jam Limbus Lunæ orientalis.  
 12 46 05 Fit clarior adhuc.  
 12 47 56 Filamentum sinceræ Lucis quasi ictu  
     oculi restituitur.  
     Nubeculæ plurimæ fugaces.  
 12 57 05 Limes Luminis attingit Mare Humo-  
     rum.  
 13 04 03 Totum Humorum Mare recuperatur.  
 13 13 40 Semitegitur Tycho.  
 13 14 00 Retegitur totus.  
 13 17 22 Waltherus emergit.  
     Multa Nubium caligo diu, uti vide-  
     tur, duratura.  
 13 43 44 Mare fœcundum extra umbram cer-  
     nitur.  
 13 46 25 Umbra vera definit.  
 13 48 30 Umbra notha non amplius sensibilis.

In hisce observandis Horologio bonæ notæ pluribus retro diebus, etiamque hac ipsâ die, per quinque solis altitudines correspondentes debitâ prostaphæresi correctas exacto, Tuboque optico sex pedes longo utebar. Circa medium obscurationis Luna quasi per Nubeculum subfuscum conspiciebatur, ad margines autem candentis instar ferri rubebat. Terminus Lucis & Umbræ per totum Eclipsein haud probè definiebatur.

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5. *Observations of the Moon's Eclipse, March 15.  
1735-6. at Yeovil in Somersetshire, Latitude  
50 Degrees 52 Minutes, by Mr. John Milner,  
communicated by John Allen, M.D. F.R.S.*

*N. B.* The Clock was first adjusted by the Equation-Table.

	H.	M.	S.	D.	M.
The Beginning . . . . .	10	6			
The Moon's Altitude then				34	29
The Beginning of total Observation	11	4	30		
The Altitude then was				34	16
The Middle	11	54			
The End of total Obscuration	12	43	30		
The Altitude then was				34	47
The End . . . . .	1	39	15		
The Altitude then was				31	47
The Continuation of the total Obscuration was	1	39	0		
The Duration of the whole Eclipse	3	33	15		